## IAP4 Rec'd PCT/PTO 21 NO VM2005 top PCT

| FORM PTO-1390<br>MODIFIED   |   | 1390  | U.S. DEPARTMENT C   | F COMMERCE PATENT AND TRADEMARK OFFICE          | ATTORNEY'S DOCKET NUMBER 4662-107                  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|
| TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLICATION NO. (If known, see 37 C. |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371      |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| INTE  | RNAT  |   | APPLICATION NO.   | INTERNATIONAL FILING DATE                       | PRIORITY DATE CLAIMED                              |  |  |  |  |  |  |  |  |  |
|   | P   | CT/EP2  | 004/005643  | 17 May 2004                                     | 23 May 2003  |  |  |  |  |  |  |  |  |  |
| TITLE OF INVENTION  CONTINUOUS PROCESS FOR PREPARING CAPROLACTAM                  |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| A D C   | I ICA   | NIT(C) E  |   | ON THE OCCUPANTION OF THE PARTIES               | CAI NOLAGIAM                                       |  |  |  |  |  |  |  |  |  |
| APPLICANT(S) FOR DO/EO/US  SMEETS et al   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |
| Арр   | Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |   |   |   |  |  |  |  |  |  |  |  |  |  |
| 1.  | $\boxtimes$   | This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.   |   |   |  |  |  |  |  |  |  |  |  |  |
| 2.  |   | This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.   |   |   |  |  |  |  |  |  |  |  |  |  |
| 3.  | $\boxtimes$   | This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.  |   |   |  |  |  |  |  |  |  |  |  |  |
| 4.  |   | The U.S. has been elected (Article 31).   |   |   |  |  |  |  |  |  |  |  |  |  |
| 5.  | A co  | opy of the International Application as filed (35 U.S.C. 371(c)(2).   |   |   |  |  |  |  |  |  |  |  |  |  |
|   | a.  | is attached hereto (18 pages specification, claims & abstract (14 claims), 3 sheets drawings).  |   |   |  |  |  |  |  |  |  |  |  |  |
|   | b.  | ⊠ h   |   |   |  |  |  |  |  |  |  |  |  |  |
|   | C.  | is not required, as the application was filed in the United States Receiving Office (RO/US).  |   |   |  |  |  |  |  |  |  |  |  |  |
| 6.  |   | An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)  |   |   |  |  |  |  |  |  |  |  |  |  |
|   | a.<br>Cert  | is attached hereto ( pages specification, claims & abstract ( claims), sheets drawings, page rtificate of Translation).   |   |   |  |  |  |  |  |  |  |  |  |  |
|   | b.  | has been previously submitted under 35 U.S.C. 154(d)(4).  |   |   |  |  |  |  |  |  |  |  |  |  |
| 7.  |   | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)   |   |   |  |  |  |  |  |  |  |  |  |  |
|   | a.  | are attached hereto (required only if not communicated by the International Bureau).  |   |   |  |  |  |  |  |  |  |  |  |  |
|   | b.  | have been communicated by the International Bureau.   |   |   |  |  |  |  |  |  |  |  |  |  |
|   | c.  | have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.  |   |   |  |  |  |  |  |  |  |  |  |  |
|   | d.  | have not been made and will not be made.  |   |   |  |  |  |  |  |  |  |  |  |  |
| 8.  |   | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3).  |   |   |  |  |  |  |  |  |  |  |  |  |
| 9.  | a.  | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4).   |   |   |  |  |  |  |  |  |  |  |  |  |
|   | b.<br>Forn  | Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (mpager PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). |   |   |  |  |  |  |  |  |  |  |  |  |
| 10.   |   |   |   | tion of the annexes of the International Prelin | ninary Examination Report under PCT Article 36 (35 |  |  |  |  |  |  |  |  |  |
| U.S.  | C. 37<br><b>Item</b>  | 1(c)(5).<br><b>is 11 T</b> o  | 20 below concern  | document(s) or information included:            |  |  |  |  |  |  |  |  |  |  |
| 11.   | $\boxtimes$   | An Info   | ormation Disclosure S   | tatement under 37 C.F.R. 1.97 and 1.98.         |  |  |  |  |  |  |  |  |  |  |
| 12.   |   |   |   |   | liance with 37 C.F.R. 3.28 and 3.31 is included.   |  |  |  |  |  |  |  |  |  |
| 13.   | a.  | ⊠ A   | A FIRST preliminary a   | mendment.                                       |  |  |  |  |  |  |  |  |  |  |
|   | b.  | ☐ A SECOND or SUBSEQUENT preliminary amendment.   |   |   |  |  |  |  |  |  |  |  |  |  |
| 14.   |   | An Application Data Sheet under 37 C.F.R. § 1.76.   |   |   |  |  |  |  |  |  |  |  |  |  |
| 15.   |   | A substitute specification.   |   |   |  |  |  |  |  |  |  |  |  |  |
| 16.   |   | A char  | nge of power of attorn  | ey and/or address letter.                       |  |  |  |  |  |  |  |  |  |  |
| 17.   |   | A com   | puter-readable form o   | f the sequence listing in accordance with PC    | T Rule 13ter.2 and 37 CFR 1.821-1.825.             |  |  |  |  |  |  |  |  |  |
| 18.   |   | A sec   | A second copy of the published international application under 35 U.S.C. 154(d)(4). |   |  |  |  |  |  |  |  |  |  |  |
| 19.   |   | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).   |   |   |  |  |  |  |  |  |  |  |  |  |
| 20.   | X   | Other items or information. Front page published WO 2004/103964   |   |   |  |  |  |  |  |  |  |  |  |  |

| U.S. APP   | LICATIONA   | O. Ut know            | 49,09          | e <del>67</del> 0  | 15.R.7.5)             | IN'                                  |             | CT/EP2004/0                    |                |                 |                         | ATTO      |            | "S DOCKET NI<br>.662-107 | JME | SER |
|--|---|-----------------------|----------------|--|-----------------------|--------------------------------------|-------------|--------------------------------|----------------|-----------------|-------------------------|-----------|------------|--------------------------|-----|-----|
|  |   |                       |                |  |                       |                                      |             | C1/EP2004/0                    | U364           | 3               | <u> </u>                |           |            | 002-107                  | _   |     |
| ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):  |   |                       |                |  |                       |                                      |             |                                |                |                 |                         |           |            |                          |     |     |
| 21.  | Basic n   | ational fe            | е              |  |                       |                                      |             |                                |                | (1631)/\$150.00 |                         |           | \$         | 300.00                   |     |     |
| 22. 🛚  | (1643/2   | Examination Fee       |                |  |                       |                                      |             |                                |                | \$              | 200.00                  |           |            |                          |     |     |
| 23. 🖂  |   |                       |                |  |                       |                                      |             |                                |                |                 | П                       |           |            |                          |     |     |
| \$100 (1641)/\$50 (2641)   |   |                       |                |  |                       |                                      |             |                                |                |                 |                         |           |            |                          |     |     |
| \$400 (1642)/\$200 (2642)  |   |                       |                |  |                       |                                      |             |                                |                |                 |                         | 400.00    |            |                          |     |     |
| \$500.00 (1632)/\$250.00 (2632) TOTAL OF ABOVE CALCULATIONS  |   |                       |                |  |                       |                                      |             |                                |                | \$              | 400.00<br>900.00        |           |            |                          |     |     |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or  |   |                       |                |  |                       |                                      |             |                                |                | 41              | 300.00                  | L         |            |                          |     |     |
| computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |   |                       |                |  |                       |                                      |             |                                |                | ets of          |                         |           |            |                          |     |     |
|  |   |                       |                | of each additional 50 or RATE nereof (round <b>up</b> to a whole |                       |                                      |             |                                |                |                 |                         |           |            |                          |     |     |
| 0  | -100  | 0                     | /50            | ) =  | 0.00                  |                                      |             |                                | \$0.0          | <b>0</b> (1681) |                         |           | \$         |                          | •   |     |
|  |   |                       |                |  |                       |                                      |             |                                | \$0.0          | 0 (2681)        |                         |           |            |                          |     |     |
|  | Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than ⊠ 30 months |                       |                |  |                       |                                      |             |                                |                |                 | П                       |           | - 20       |                          |     |     |
|  |   |                       |                |  | ate (37 C             | .F.R. 1.492(<br># EXTRA              | e).         |                                |                | RATE            |                         |           | \$         | 130.00                   |     |     |
| Total Cl   | _AIMS<br>aims   | 14                    |                |  | riceD<br>rus 20       | 0 X                                  | \$5         | 50.00 (1615)/                  |                | \$25.00 (2615   | 5)                      |           | \$         |                          |     |     |
| Indones  | dont Clai   | 1                     | _              |  | =                     | 0 X                                  | 0.0         | 200 00 (1614)                  |                | \$100.00 (261   |                         |           | 6          | <del>-</del> -           |     |     |
|  | dent Clai   |                       |                |  | ius 3 =               |                                      | 74          | 200.00 (1614)<br>\$360.00      |                | 6)/\$180.00 (26 |                         |           | \$<br>\$   | 0.00                     | _   |     |
| Petition   | is hereby   | made to               | exte           | end t  | the curre             | nt due date                          |             | as to cover the                | filing         | date of this pa | aper a                  |           | Ť          |                          |     |     |
| attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253/\$510.00 (2253); Four Month Extensions \$1590.00 (1254/\$795.00 (2254) |   |                       |                |  |                       |                                      |             |                                | nsions         | \$              | 0.00                    |           |            |                          |     |     |
| Applicant claims small entity status. See 37 CFR 1.27.   |   |                       |                |  |                       |                                      |             |                                |                | $\square$       |                         |           |            |                          |     |     |
|  |   |                       |                |  |                       | te (37 C.F.F                         |             |                                | ater t         | +               | □ 30                    |           |            | 0.00                     |     |     |
|  |   |                       |                |  |                       |                                      |             |                                |                | TOTAL NAT       |                         |           | \$         | 1030.00                  |     |     |
| Fee for  | recording<br>opriate co   | the encl<br>over shee | osed<br>et (37 | l ass<br>7 C.F   | signment<br>F.R. 3.28 | (37 C.F.R. 1<br>. 3.31). <b>\$40</b> | 1.21<br>.00 | (h). The assi<br>(8021) per pr | gnme<br>opertv | nt must be acc  | compa                   | inled by  | \$         | 0.00                     |     |     |
| an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property +  Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453)  |   |                       |                |  |                       |                                      |             | \$                             | 0.00           |                 |                         |           |            |                          |     |     |
| TOTAL FEES ENCLOSED =  |   |                       |                |  |                       |                                      |             |                                | \$             | 1030.00         |                         |           |            |                          |     |     |
|  |   |                       |                |  |                       |                                      |             |                                |                | ref             | nount to be:<br>funded: | \$        |            |                          |     |     |
|  |   |                       |                |  |                       |                                      |             |                                |                |                 |                         |           |            | nount to be<br>narged:   | \$  |     |
| a.   | Please  |                       | ny D           | еро  | sit Accou             | int No. 14-1                         |             | above fees is in the amoun     |                | to cover        | the a                   | bove fees | <b>3</b> . |                          |     |     |

November 21, 2005

Date

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any C. 10/557 overpayment to Deposit Account No. <u>14-1140</u>. A <u>duplicate</u> copy of this form is enclosed. CREDIT CARD PAYMENT FORM ATTACHED. d. The entire content of International Application No. PCT/EP2004/005643 and any U.S. and foreign application(s) corresponding e. thereto, and EP's 03076590.3, 03076591.1, 03076589.5 and 03076592.9, referred to in this application is/are hereby incorporated by reference in this application. NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status. **CORRESPONDENCE ADDRESS** Direct all correspondence to: **Customer Number:** Type Customer Number here Bryan H. Da Telephone: (703) 816-4000 NAME

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REGISTRATION NUMBER

BHD:Imy